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APPARATUS AND METHOD FOR STEAM ENGINE AND THERMIONIC  
EMISSION BASED POWER GENERATION SYSTE

## 5 ABSTRACT

An apparatus and method for generating power, the apparatus, comprising: a steam engine for providing a first source of power, the steam engine also producing heat waste; a thermionic device for providing a second source of power, the thermionic device providing the second source of power  
10 from the heat waste which is provided to the thermionic device, the heat waste of the steam engine being in fluid communication with a heat exchanger of the thermionic device.